

5	TGGCTGAATT AAAAGTTGGG AAATGAANTT GAAAGAATCC GCTTCTTCCA CTGCTATAAA	600
	ANAAGAATTG ACAGGGTTTT CATTGATCAC CTTTGTTCCTT GAAAAGGTGT GGGGAAAAAC	660
	TGGAAGAATG ATATTTGGTC CTGTCCNNG ACTGATTNA AAACACCACC TAAAATTACC	720
	TTTTGTNCNN GCNNCTTGG AACCNCCNG GATCTNGATN TTANCACCCC CAANTCTTAT	780
10	CCTGGAACCTT TTGGGGNAAA NTTTGTNTTT GTT	813

## (2) INFORMATION FOR SEQ ID NO: 43:

- 15 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 805 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

20 (ii) MOLECULE TYPE: cDNA

- 25 (vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D66

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

30	GGCACGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAACA	60
	AAGTCACAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCGGAG	120
35	CCAAGGACCT TCCTAACACAG AAGGGTTCTA CACTTGAGGA ACCANACCAC CGCTTACGAA	180
	GGATTGANAT CTCGAAATGT GGTTGATTTG ATTCAAGATGC CGTCTAATGC CAAGGTGATT	240
	TCAAGGAAAA CTGTGAGGGG AACTCACAAT CCTAGTCGTA NACCTGGC TGTTGTCATT	300
40	TGTGGAAAAG GGATGAACAT AGTCTTGTC GGGCCTGAGA TGGCTCCCTG GANTAAAACC	360
	GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGCCA TGGCTGCAA TGGACACACA	420
45	GTGATGACTA TAGCTCCACG CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCTG	480
	GCTGANTTAA AANTTGGAAA TGAAATTGAA AAGANTCCGC TTCTTCCACT GCTATAAAAN	540
	AAGAATTGAC AGGGTTTCA TTGATCATCC TTTGTTCTT GAAAAAGTGT GGGGAAAAAC	600
50	TGGGAAGAAT GATATNTGGT CCTGTCCNNG GAACTGATTA TAAAACACCA GCTAANATTA	660
	CCTTTGTTG CCAGCAACTT TGGAACCCCN AGGATTCTGG ATNTTACAAC ACNAATACTA	720
55	TTCTGGAACA TTTGGGGAAA AATTGTTTTT GTTNCCAATG ANTGGCNCAC TGGTCCCNTC	780
	CCTNCCTACT TAAAAANTTT TTTCC	805

## (2) INFORMATION FOR SEQ ID NO: 44:

- 60 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 790 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

65 (ii) MOLECULE TYPE: cDNA

- 70 (vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D111

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

5	GGCACGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAACA	60
	AAGTCACAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCTGAG	120
10	CCAAGGACCT TCCTAACACAG AAGGGTTCTA CACTTGAGGA ACCAAACCAC CGCTTACGAA	180
	GGATTGAGAT CTCGAAATGT GGTTGATTTG ATTCAGATGC CGTCTAATGC CAAGGTGATT	240
	TCGAGGAAAA CTGTGAGGGG AACTCAGAAT CCTAGTCGTA GACCTTGGC TGTTGTCATT	300
15	TGTGGAAAAG GGATGAACAT AGTCTTGTC GGCGCTGANA TGGCTCCCTG GAGTAAAACC	360
	GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGCCA TGGCTGCAAAG TGACACAGA	420
20	GTGATGACTA TAGCTCCACG CTATGATCAG TACAAGGATG GGTGGATAAC AAATGTCCTG	480
	GCTGAGTTAA AAGTTGGAAA TGAAATTGAA AGANTCCGCT TCTTCCACTG CTATAAAAAGA	540
	AGANTTGACA GGGTTTCAT TGATCATCCT TTGTTTCTTG ANAAGGTGTG GGGAAAAACT	600
25	GGAAGAATGA TATATGGTCC CTGTCNCAGG AACNGATTAT GAANACAACC AGCTAAGATT	660
	AACCTTTTGT TGCCAGCACT TTGGGAACCN CAAGGATCCT GGATCTTAAC AACNCAANTC	720
	TATTCTGGAC CATATGGGGA CAAATTGTT TGTTGCAAAT GATGGCACCT GGTCCNNNTCC	780
30	ATGCTACTTA	790

## (2) INFORMATION FOR SEQ ID NO: 45:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 813 base pairs
  - (B) TYPE: nucleic acid
  - (C) STRANDEDNESS: single
  - (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

## (vii) IMMEDIATE SOURCE:

(B) CLONE: U-D112

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

50	TTTTTTTTT TTTTTTTTG GAGCATAATA GCAATTATT CAGGAGGATC AACTCAAAC	60
	ACTATAACAT AGACAGTAGT CACTTCAGG GAGTGGCCAC ATTTTCCCTT GCAAGAGGAG	120
55	CTATTTCATC AGCATCGATG CCGGCTTCAC TACCAAGCAGC TCCTAAGCTT AGGANAAATT	180
	GCTCCCACCTT CTTAGCAGGT CCCTTCCAGG AGAGGTCTTG AGTCATGCAG TTCTGTATCA	240
60	TCTCAGCAAA TGCAGGTGTG CCGTAAACTT TAAGGGCCCT TTTCACTGTC TGAATGACTT	300
	TTTGTACATC ATCTTTATCG ACAACATCAC AATCAGGATT GAAGGGACCC ATATGAAACC	360
	CTGTGATGCC TTCTATGACA GTGTCAAGCAA GTCCACCAAGT TGTTGCGCAC ATGGGGGGAA	420
65	TTCCATATCG CATGCCCTGA AAGCTGGATA AGGCCACAAG GTTCGAATCT GCTGGTAAGA	480
	NCAAGAAGAT CTGCTCCAGC CATGATTCA TGANCAAAG GTGCATTAAA CTTCATATGT	540
	GCTCTCACTT TATTGGGAAA CATATCTCA AGTTGTGCAA GCTGACGCTC CAACANCTTC	600
70	TCCCCANTACC AAGCACTATC ACTTGAACAT TTTCATCAAT GAATTCAAGA ATAACAGCNG	660

CGAAAATATC CGAACCTTTC TGCTCTCTAA TCTCCCTATA AAGGNTATAA CAGGGATTTC 720  
 5 CNGTCAACAG GTTAACCAAA TTCAACTTGT TAGGNTTCCC TTAATCCAAA GGTTTGACCC 780  
 CNNCCCATTT GTTGCTCNTA ATTGANAAAA ATT 813

## (2) INFORMATION FOR SEQ ID NO: 46:

10 (i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 808 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

15 (ii) MOLECULE TYPE: cDNA

20 (vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D39

## 25 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

GGCACGAGCG AGTTTTTTTT TTTTTTTTT GCTGTGATGA TATTATGCAT CTTATTAGTT 60  
 GGTTGCACCA CTTCTATTAC ATCACTAAC AGTATTAGCC CAAGANAAGG CTAATACCTT 120  
 30 CNCATCACTC TTGACATCTT ATTTGTATTG TAGGANACTA GTATATATAT CTATATGCGT 180  
 GGTTGCCTGC ACNAGGGCGG CTTATTAGTG GCGTCAGTGA TCTCAAGGGC AGAANACAAC 240  
 CCTGTANTTG GTGCCGCCGG GGCAGGTGAA GGTGCTCGTC TGATCGTCCT TGGGATANCT 300  
 35 GTAGGCGTCG GGGCAGTTTC TCTTGAANAA CCGGGAGTAT TCGGTCGGGC TGCAGCTGCC 360  
 GGAGTTGCAA CAGTACTGGT CCGTCTTGAA CACGGTGCAG GGGTTGTTGC ANCCGCCCGG 420  
 40 CGCCTTCANC GCCCCGGGGC ACTGCCCGTT GATNTCCGCC GCGCACCGGA TGCCGCGGCA 480  
 NCCGCCTGAC NTGGGGCTNA ATCCCATGG CACGTTGAAA CCGTCNACCA AGGGAAATTT 540  
 CAAAAAAATCC AAGTTGTTGA ACTGGTTGAA CGCCAATC C NCCAGGGTNT TGGGCGGGTT 600  
 45 GCCNTACCCCC GTGCATNACA ACACCCCGCC GCANTCCCCCT TCTGGCACCG CCGCNTCCGC 660  
 TCCCCTCAAA AGAACACCCG TGCGGCCCAA AATCCGNCC CCCGGTGGTT CCCCCTTTCN 720  
 50 CTTTAANGGT CCCCAATGCC CCTGNTTAA CTGNCTCCCC CCCANGCNCG GCCCCGGCCC 780  
 ACNCTTTNTT AAAACATCNG TNCCNAAT 808

## 55 (2) INFORMATION FOR SEQ ID NO: 47:

(i) SEQUENCE CHARACTERISTICS:  
 (A) LENGTH: 809 base pairs  
 (B) TYPE: nucleic acid  
 (C) STRANDEDNESS: single  
 (D) TOPOLOGY: unknown

60 (ii) MOLECULE TYPE: cDNA

65 (vii) IMMEDIATE SOURCE:  
 (B) CLONE: U-D50

70 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47: